



Windows PowerShell Get-Help on Cmdlet 'Update-AutologgerConfig'

PS:\>Get-HELP Update-AutologgerConfig -Full

NAME

Update-AutologgerConfig

SYNOPSIS

Modifies an existing AutoLogger session configuration.

SYNTAX

```
Update-AutologgerConfig [-AsJob] [-BufferSize <UInt32>] [-CimSession <CimSession[]>] [-ClockType {Performance |  
System | Cycle}] [-DisableRealtimePersistence  
<UInt32>] [-FileMax <UInt32>] [-FlushTimer <UInt32>] [-Guid <String>] [-InitStatus <UInt32>] -InputObject  
<CimInstance[]> [-LocalFilePath <String>] [-LogFileMode  
<UInt32>] [-MaximumBuffers <UInt32>] [-MaximumFileSize <UInt32>] [-MinimumBuffers <UInt32>] [-PassThru] [-Start  
<UInt32>] [-ThrottleLimit <Int32>] [-Confirm]  
[-WhatIf] [<CommonParameters>]
```

```
Update-AutologgerConfig [-Name] <String[]> [-AsJob] [-BufferSize <UInt32>] [-CimSession <CimSession[]>] [-ClockType  
{Performance | System | Cycle}]  
[-DisableRealtimePersistence <UInt32>] [-FileMax <UInt32>] [-FlushTimer <UInt32>] [-Guid <String>] [-InitStatus  
<UInt32>] [-LocalFilePath <String>] [-LogFileMode
```

<UInt32>] [-MaximumBuffers <UInt32>] [-MaximumFileSize <UInt32>] [-MinimumBuffers <UInt32>] [-PassThru] [-Start <UInt32>] [-ThrottleLimit <Int32>] [-Confirm]
[-WhatIf] [<CommonParameters>]

DESCRIPTION

The Update-AutologgerConfig cmdlet modifies an existing AutoLogger session configuration.

PARAMETERS

-AsJob [<SwitchParameter>]

Runs the cmdlet as a background job. Use this parameter to run commands that take a long time to complete.

The cmdlet immediately returns an object that represents the job and then displays the command prompt. You can continue to work in the session while the job

completes. To manage the job, use the ``*-Job`` cmdlets. To get the job results, use the Receive-Job (<https://go.microsoft.com/fwlink/?LinkID=113372>) cmdlet.

For more information about Windows PowerShell background jobs, see `about_Jobs` (<https://go.microsoft.com/fwlink/?LinkID=113251>).

Required?	false
Position?	named
Default value	False
Accept pipeline input?	False
Accept wildcard characters?	false

-BufferSize <UInt32>

Specifies the Event Tracing for Windows (ETW) trace session buffer size in KB.

Required?	false
Position?	named
Default value	0

Accept pipeline input? False

Accept wildcard characters? false

-CimSession <CimSession[]>

Runs the cmdlet in a remote session or on a remote computer. Enter a computer name or a session object, such as the output of a New-CimSession

(<https://go.microsoft.com/fwlink/p/?LinkId=227967>) or

[Get-CimSession](<https://go.microsoft.com/fwlink/p/?LinkId=227966>)cmdlet. The default is the current session on the local computer.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ClockType <ClockType>

Specifies the type of timestamp that will be used for each event logged to this ETW session.

This is an advanced session configuration option, and it is not recommended that this parameter be set.

For more information, see the description of the ClientContext field in WNODE_HEADER structure (<https://msdn.microsoft.com/en-us/library/windows/desktop/aa364160.aspx>) for a description of clock types.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-DisableRealtimePersistence <UInt32>

Specifies whether to not persist real-time events that were not delivered before the time the computer was shutdown.

Persisted events are delivered to the

consumer the next time the consumer connects to the session. To disable real time persistence, specify a value of one.

To persist events, specify a value of zero.

The default is zero.

Required? false

Position? named

Default value 0

Accept pipeline input? False

Accept wildcard characters? false

-FileMax <UInt32>

Specifies the maximum number of log files an AutoLogger session can create.

Required? false

Position? named

Default value 0

Accept pipeline input? False

Accept wildcard characters? false

-FlushTimer <UInt32>

Specifies the timeout value for ETW trace session to flush capture buffer.

Required? false

Position? named

Default value 0

Accept pipeline input? False

Accept wildcard characters? false

-Guid <String>

Specifies an AutoLogger session configuration ID.

Required? false

Position? named

Default value None
Accept pipeline input? False
Accept wildcard characters? false

-InitStatus <UInt32>

Specifies the initial status of the AutoLogger configuration.

Required? false
Position? named
Default value 0
Accept pipeline input? False
Accept wildcard characters? false

-InputObject <CimInstance[]>

Specifies the input to this cmdlet. You can use this parameter, or you can pipe the input to this cmdlet.

Required? true
Position? named
Default value None
Accept pipeline input? True (ByValue)
Accept wildcard characters? false

-LocalFilePath <String>

Specifies the full path for an ETW log file.

Required? false
Position? named
Default value None
Accept pipeline input? False
Accept wildcard characters? false

-LogFileMode <UInt32>

Specify one or more log modes, such as EVENT_TRACE_REAL_TIME_MODE 0x100. Each mode is a bit field.

Required?	false
Position?	named
Default value	0
Accept pipeline input?	False
Accept wildcard characters?	false

-MaximumBuffers <UInt32>

Specifies the maximum number of buffers for an ETW trace session.

Required?	false
Position?	named
Default value	0
Accept pipeline input?	False
Accept wildcard characters?	false

-MaximumFileSize <UInt32>

Specifies the maximum size, in MB, of a log file before a new one is created.

Required?	false
Position?	named
Default value	0
Accept pipeline input?	False
Accept wildcard characters?	false

-MinimumBuffers <UInt32>

Specifies the minimum number of buffers for an ETW trace session.

Required?	false
Position?	named
Default value	0
Accept pipeline input?	False
Accept wildcard characters?	false

-Name <String[]>

Specifies the name of the AutoLogger session.

Required? true

Position? 1

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-PassThru [<SwitchParameter>]

Indicates that this cmdlet returns an object that represents the item on which it operates. By default, this cmdlet does not generate any output.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-Start <UInt32>

By default, the AutoLogger session is configured to start at boot time.

Required? false

Position? named

Default value 0

Accept pipeline input? False

Accept wildcard characters? false

-ThrottleLimit <Int32>

Specifies the maximum number of concurrent operations that can be established to run the cmdlet. If this parameter is omitted or a value of `0` is entered, then

Windows PowerShell calculates an optimum throttle limit for the cmdlet based on the number of CIM cmdlets that are

running on the computer. The throttle limit

applies only to the current cmdlet, not to the session or to the computer.

Required? false

Position? named

Default value 0

Accept pipeline input? False

Accept wildcard characters? false

-Confirm [<SwitchParameter>]

Prompts you for confirmation before running the cmdlet.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-WhatIf [<SwitchParameter>]

Shows what would happen if the cmdlet runs. The cmdlet is not run.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

<CommonParameters>

This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (<https://go.microsoft.com/fwlink/?LinkID=113216>).

INPUTS

OUTPUTS

Microsoft.Management.Infrastructure.CimInstance

Microsoft.Management.Infrastructure.CimInstance#ROOT\Microsoft\Windows\EventTracingManagement\MSFT_Autologger
Config

NOTES

----- Example 1: Modify a configuration -----

```
PS C:\> Update-AutologgerConfig -Name "WFP-IPsec Trace" -MaximumBuffers 8 -ClockType Cycle
```

This command modifies the AutoLogger configuration named WFP-IPsec Trace.

RELATED LINKS

Online

Version:

https://learn.microsoft.com/powershell/module/eventtracingmanagement/update-autologgerconfig?view=windowsserver2022-ps&wt.mc_id=ps-gethelp

Configuring and Starting an AutoLogger Session <https://msdn.microsoft.com/library/windows/desktop/aa363687.aspx>

Logging Mode Constants <https://msdn.microsoft.com/library/windows/desktop/aa364080.aspx>

WNODE_HEADER structure <https://msdn.microsoft.com/library/windows/desktop/aa364160.aspx>

Get-AutologgerConfig

New-AutologgerConfig

Remove-AutologgerConfig

